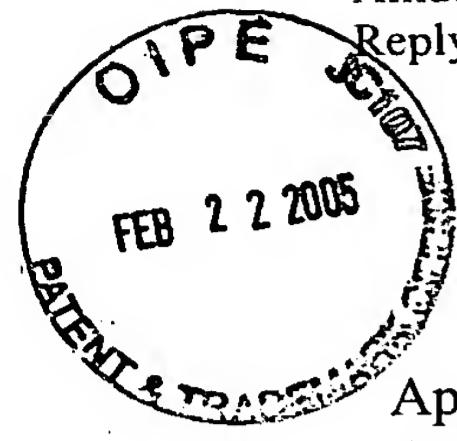


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IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE

Appl. No.: 10/644,207 ) I hereby certify that this paper (or fee) is  
Applicants: Kenneth W. Junk et al. ) being deposited with the United States  
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Performing Diagnostics in a Control Loop ) Amendment, Commissioner for Patents,  
of a Control Valve ) P.O. Box 1450, Alexandria, VA 22313-  
TC/A.U.: 2125 ) 1450.  
Examiner: Jaypraskasah N Gandhi ) February 17, 2005  
Att. Docket No.: 06005/38229A )  
Confirmation No. 5463 )  
Brent E. Matthias  
Reg. No. 41,974

RESPONSE TO OFFICE ACTION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This paper is submitted in response to the Office action having a mail date of November 17, 2004. Please amend the application and consider the remarks as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 9 of this paper.